



**ENGINEERING**  
Materials Science  
& Engineering

## **Tenure-Track Faculty Position Materials Science & Engineering, McMaster University**

*McMaster University is located on the traditional territories of the Haudenosaunee and Mississauga Nations and, within the lands protected by the Dish with One Spoon wampum agreement.*

### Position Description

McMaster University's Faculty of Engineering invites applications for two tenure-track Assistant professor positions in the Department of Materials Science and Engineering, located on the main university campus in Hamilton, Ontario. Exceptional candidates at the ranks of Associate or Full Professor may also be considered. Candidates working **in all areas** of Materials Science Engineering are encouraged to apply, examples include process metallurgy, mechanical metallurgy, advanced characterization, biomaterials and nuclear materials. The starting date is flexible, with the earliest date being January 1, 2024.

Applicants must have completed a Ph.D. in Materials Science and/or Engineering, or a closely related engineering discipline by the time of the appointment. Registration as a Professional Engineer of Ontario or eligibility to acquire registration in Canada is an essential qualification.

The successful candidate will teach both undergraduate and graduate level courses. Applicants must demonstrate a willingness and ability to contribute to the Department's collegial and collaborative intellectual community as well as University-wide inclusive excellence goals and priorities. Consistent with McMaster's position as a research-intensive university, the successful applicant will be expected to develop a dynamic externally funded research program, supervise graduate students, and foster existing or new collaborations with other Departments and Faculties. After the successful candidate starts their position at McMaster University, research excellence will be reflected in successful mentoring of graduate students, extramural grant acquisition and publication in high-quality peer-reviewed journals.

### Commitment to Inclusive Excellence

The diversity of our workforce is at the core of our innovation and creativity and strengthens our research and teaching excellence. In keeping with its Statement on Building an Inclusive Community with a Shared Purpose, McMaster University strives to embody the values of respect, collaboration, and diversity, and has a strong commitment to employment equity.

The University seeks qualified candidates who share our commitment to equity and inclusion, who will contribute to the diversification of ideas and perspectives, and especially welcomes applications from First Nations, Métis and Inuit peoples, members of racialized

communities (“visible minorities”), persons with disabilities, women, and persons who identify as 2SLGBTQ+.

We invite all applicants to complete a brief Diversity Survey as part of the application process. It takes approximately two minutes to complete. All questions are voluntary, with an option to decline to answer. All information collected is confidential and will be used to support efforts to broaden the diversity of the applicant pool and to promote a fair, equitable and inclusive talent acquisition process. Inquiries about the Diversity Survey may be directed to [hr.empequity@mcmaster.ca](mailto:hr.empequity@mcmaster.ca).

Job applicants requiring accommodation to participate in the hiring process should contact the Office of the Dean of Engineering at 905-525-9140 ext. 24900 to communicate accommodation needs.

### Institutional Context

Founded in 1887, McMaster University is one of only four Canadian universities ranked among the top 80 in the world by the Times Higher Education World University Rankings for 2022 and is home to more than 70 research centres and institutes. Named Canada’s most research-intensive university in 2017, 2018, 2019 and 2020 by Research Infosource, McMaster is dedicated to teaching, learning and service. With a student population of more than 36,000, McMaster welcomes students from 120 countries as well as Canada.

McMaster Engineering has a reputation for innovative programs, cutting-edge research, leading faculty, and aspiring students. With 200 faculty members, about 7,500 undergraduate and 1,250 graduate students, we are a world-class centre for academic excellence and innovation.

The Department of Materials Science and Engineering at McMaster University has an outstanding reputation in research and teaching and is one of the top schools for Materials Engineering in Canada. Faculty members at the Department have access to state-of-the-art research infrastructure at the Biointerfaces Institute, the Canadian Centre for Electron Microscopy, the Centre for Automotive Materials and Corrosion and the McMaster Steel Research Centre. In addition, access to pilot-scale metallurgical facilities and industrial expertise is available through the Department’s longstanding collaborations with CanmetMATERIALS at the McMaster Innovation Park.

McMaster University provides competitive salaries and one of the best benefits packages amongst Canadian universities, which includes supplementary medical and dental coverage, a defined benefits pension plan, external tuition benefit, long-term disability insurance and family-friendly supports such as a childcare allowance, and funded pregnancy/parental leaves. University policies include provisions for such leaves in the tenure process and in annual merit evaluations. The Faculty of Engineering has additional supports in place, such as funding from the Engineering Life Event Fund, to help maintain continuity in scholarship during pregnancy/parental, medical, or family-related leaves.

Discover more of what McMaster Engineering and the Hamilton area have to offer academic professionals and their families by reviewing our [Information Guide](#) highlighting our research excellence, family-friendly resources and rich local culture. Opportunities for continuous personal and professional growth are also made available through our Faculty’s [Fireball Academy](#) and the [MacPherson Institute](#).

### How to Apply:

Please submit the following materials through the University's electronic portal: <https://hr.mcmaster.ca/careers/current-opportunities/> (Job Opening 56642) to:

Hatem Zurob  
Chair of Search Committee  
Department of Materials Science and Engineering  
McMaster University, JHE-357  
Hamilton, ON L8S 4L7  
Canada

and submit the following materials:

- letter of application demonstrating how you meet the selection criteria outlined above and describing, if applicable, the impact that career interruptions may have had on research productivity (1-2 pages)
- curriculum vitae
- research statement that articulates your vision and goals for your research program. Also include a selection of research publications (no more than four examples)
- statement on teaching interests and philosophy (including evidence of teaching effectiveness)
- statement on contributions made to inclusive excellence in teaching, research, or service in academic, professional or community contexts, including a description of how you will advance the University's commitment to building an inclusive community and to fostering a culture which embraces and promotes the rich diversity of the campus community (2 pages)
- the names and contact information of at least three referees, including postal and email addresses. Referees should not be in a conflict of interest and at least one should be recognized as an international authority in your field and not residing in the country in which you are currently working. In cases where the applicant is a Canadian Indigenous researcher (First Nations, Inuit or Métis) based in Canada, the name and contact information of an international referee is not required.

McMaster University recognizes the potential impact that career interruptions and personal circumstances (e.g., pregnancy, early childcare, eldercare, illness, etc.) can have on an applicant's record of research achievement. We encourage applicants to explain in their applications the impact that career interruptions or other issues may have had.

The review of applications will begin on November 1, 2023. Applications will continue to be accepted until the position is filled. The effective date of appointment is negotiable, but July 1, 2024 is preferred. All applicants will receive an online confirmation of receipt of their application; however, only short-listed applicants will be contacted for interviews. Applicants with questions regarding this recruitment should contact Samantha Kandilas, [samjohn@mcmaster.ca](mailto:samjohn@mcmaster.ca)

All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. To comply with the Government of Canada's reporting requirements, the University gathers information about applicants' status as

either a permanent resident of Canada or Canadian citizens. Applicants need not identify their country of origin or current citizenship; however, all applications must include one of the following statements:

Yes, I am a citizen or permanent resident of Canada

No, I am not a citizen or permanent resident of Canada

The University is committed to providing and maintaining healthy and safe working and learning environments for all employees, students, volunteers, and visitors. The University's [Vaccination Policy-COVID-19 Requirements for Employees and Students](#) (the "Vaccination Policy"), requires all McMaster community members, including employees, accessing a McMaster campus or facility in person to be fully vaccinated or to have received an exemption from the University for a valid human rights ground. While the Policy will be currently paused, this Policy may resume quickly and on short notice, as informed by public health advice and direction. As a result, failure to achieve and maintain fully vaccinated status or an approved human rights-based exemption may result in termination of employment. This is a term and condition of employment. The University will continue to follow the guidance of public health organizations to define fully vaccinated status.

Further information is available at the following link: <https://covid19.mcmaster.ca/vaccination-mandate/>. More information on the University's Health and Safety framework is available online at <https://hr.mcmaster.ca/resources/covid19/>.

Questions regarding the above requirements or any accommodation requests through the recruitment process can be directed to [hr.mcmaster@mcmaster.ca](mailto:hr.mcmaster@mcmaster.ca).